



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	10/666,252-Conf. #009516
				Filing Date	September 22, 2003
				First Named Inventor	Kazuhiro HIRAHARA
				Art Unit	1743
				Examiner Name	P. S. H. Hyun
Sheet	1	of	1	Attorney Docket Number	0171-1016P

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
PSM	AA*	US-4,615,225	10-07-1986	Sainz	
	AB*	US-4,688,935	08-25-1987	Barnes et al.	
	AC*	US-5,252,827	10-12-1993	Koga et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
PSM	BA	JP-04-110653-A	04-13-1992		
PSM	BB	JP-02-110351-A	04-23-1990		
	BC	JP-62-11130-A	01-20-1987		
PSM	BD	JP-03-090841-A	04-16-1991		
PSM	BE	JP-03-081649-A	04-08-1991		
	BF	JP-60-20136-A	02-01-1985		
PSM	BG	JP-04-216440-A	08-06-1992		
PSM	BH	EP-0 447 747-B1	04-12-1995		

No translation.

No translation.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

*PSM*

Examiner Signature	<i>[Signature]</i>	Date Considered	5/24/06
--------------------	--------------------	-----------------	---------

Birch, Stewart, Kolasch & Birch, LLP

GMM/TK/gf